



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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## OET/CORNING OFFER TUTORIAL ON OPTICAL COMMUNICATIONS

The FCC's Office of Engineering and Technology and Corning Incorporated are sponsoring a tutorial on optical communications. The tutorial will take place from 10:00 a.m. to 12:30 p.m. on Tuesday, January 22, 2002 in the Commission Meeting Room (TWC-305), 445 12th Street, S.W., Washington, D.C.

Dr. B. Roe Hemenway, Manager of Optical Network Equipment Research at Corning's Sullivan Park Research facility, will present an overview of fiber optic communications technologies. Corning produced the first fiber optic filament, and fostered the commercial development of fiber optic filaments for the transmission of telecommunications services. Corning is the world's largest manufacturer of optical fiber and cable. Corning also produces other photonic components that, with fiber optic filaments, comprise the optical layer of many telecommunications networks.

Dr. Hemenway will describe the technological foundations that underlie optical fiber and different photonic components that are used in optical telecommunications networks. Dr. Hemenway will also discuss dense wavelength division multiplexing, optical amplification, highly scalable optical cross connects, add/drop multiplexers, and other optical transport technologies. Dr. Hemenway will then explain how today's optical layer has the unique ability to manage, in a cost effective manner, network capacity at data rates varying from as little as a few megabits per second at the edge of the network to hundreds of terabits per second at the core of the network

Members of the public are encouraged to attend this tutorial. Admittance, however, will be limited to the seating available in the Commission meeting room. Please allow sufficient time for clearance through Commission security before the seminar begins. The audio portion of this conference will be broadcast live on the Internet via the FCC's Internet audio broadcast page at <http://www.fcc.gov/realaudio>.

Additional information concerning this tutorial may be obtained from Robert Kimball at the FCC

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